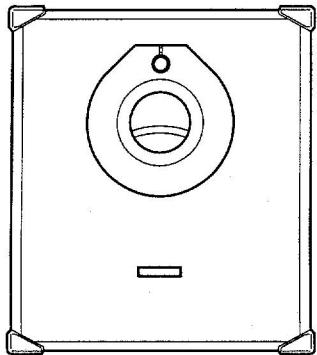


aiwa



TS-W45



ACTIVE SPEAKER SYSTEM

• TYPE : U, EZ, HR

MANUAL
SERVICE

SPECIFICATIONS

Input terminals	INPUT 1 jack INPUT 2 terminals	Speaker unit	20 cm (Magnetically shielded type)
Input sensitivity/Impedance	INPUT 1: 0.3 V / 50 kilo ohms (at 60 Hz) INPUT 2: 3 V / 4.4 kilo ohms (L and R) (at 60 Hz)	Power requirement	U: AC 120 V, 60 Hz EZ: AC 230 V, 50 Hz HR: AC 120 V / 220 V - 240 V switchable, 50 / 60 Hz
Output terminals	SPEAKERS OUT terminals	Power consumption	U: 40 W EZ, HR: 60 W
Power output	FTC RULE 50 watts, Min. RMS at 8 ohms, from 45 Hz to 150 Hz, with no more than 1 % Total Harmonic Distortion 50 W (8 ohms, T.H.D. 1 % at 60 Hz) 60 W (8 ohms, T.H.D. 10 % at 60 Hz) 35 Hz - 200 Hz	Dimensions	385 x 325 x 345 mm (W/H/D)
Frequency response	Bass reflex type	Weight	7.5 kg

• Design and specifications are subject to change without notice.

ACCESSORIES / PACKAGE LIST

If can't understand for Description please kindly refer to "REFERENCE NAME LIST".

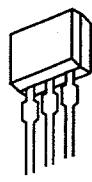
REF. NO.	PART NO.	KANRI NO.	DESCRIPTION
1	82-YP2-901-010	IB, H(ECA)D<HR>	
1	82-YP2-906-010	IB, EZ(9L)D<EZ>	
1	82-YP2-903-010	IB, U(ESF)DHM<U>	
2	87-YP3-632-010	186-C13000, CORD ASSY	
⚠ 3	87-099-789-010	PLUG, CONVERSION IR-44<HR>	

ELECTRICAL MAIN PARTS LIST

If can't understand for Description please kindly refer to "REFERENCE NAME LIST".

REF. NO.	PART NO.	KANRI NO.	DESCRIPTION	REF. NO.	PART NO.	KANRI NO.	DESCRIPTION				
TRANSISTOR											
	87-026-609-080	TR, KTA1266GR		C406	87-010-385-080	CAP, ELECT 220-25V					
	87-026-610-080	TR, KTC3198GR		C407	87-010-405-080	CAP, ELECT 10-50V					
	87-A30-215-010	TR, 2SD2025		C408	87-010-405-080	CAP, ELECT 10-50V					
	87-A30-214-010	TR, 2SB1344		C409	87-010-405-080	CAP, ELECT 10-50V					
	87-A30-087-080	C-FET, 2SK2158		C410	87-010-404-080	CAP, ELECT 4.7-50V					
	87-A30-091-080	FET, 2SJ460		C411	87-010-405-080	CAP, ELECT 10-50V					
	87-026-269-080	TR, DTA114ES		C412	87-010-405-080	CAP, ELECT 10-50V					
DIODE											
	86-SP2-646-010	151-540235, DIODE IN5402LT		CN202	87-049-519-010	CONN, 3P EH V WHT					
	87-020-465-080	DIODE, 1SS133 (110MA)		CN301	87-099-043-010	CONN 2P EH					
				J401	87-099-801-010	JACK, PIN 1P BLK					
MAIN C.B											
C104	87-016-539-090	CAP, E 3300-35 SMG		J402	86-SP2-641-110	TERMINAL, SPKR 4P DH					
C105	87-016-539-090	CAP, E 3300-35 SMG		J403	86-SP2-641-110	TERMINAL, SPKR 4P DH					
C108	87-018-209-010	CAP, TC-U 0.1-50<EZ>		R223	87-A00-258-080	RES, M/F 0.22-1W J					
C109	87-018-209-010	CAP, TC-U 0.1-50<EZ>		R224	87-A00-258-080	RES, M/F 0.22-1W J					
C110	87-018-209-010	CAP, TC-U 0.1-50<EZ>		S301	86-SP2-633-010	SW, SL 1-1-2					
C111	87-010-197-080	CAP, CHIP 0.01 DM<EZ>		VR401	87-891-147-010	VR, RTRY 50KX1 H XVO121PHJN20FS					
C201	87-010-246-080	CAP, ELECT 47-35V		TRANS C.B							
C202	87-010-246-080	CAP, ELECT 47-35V		C101	87-019-112-010	CAP, 0.01 SPARK-KILLER					
C203	87-010-384-080	CAP, ELECT 100-25V		C102	87-018-209-080	CAP, CER 0.1-50V					
C204	87-010-384-080	CAP, ELECT 100-25V		C103	87-018-209-080	CAP, CER 0.1-50V					
C205	87-010-384-080	CAP, ELECT 100-25V		CN101	87-049-469-010	CONN, 4P V WHT EH					
C206	87-010-384-080	CAP, ELECT 100-25V		CN102	87-099-674-010	CONN, 2P VA V					
C207	87-012-156-080	C-CAP, S 220P-50 CH		▲ F101	87-035-485-010	FUSE, 2A 125V D UL<U>					
C208	87-012-156-080	C-CAP, S 220P-50 CH		▲ FC101	87-033-213-080	CLAMP, FUSE<U>					
C209	87-010-196-080	CHIP CAPACITOR, 0.1-25		▲ FC102	87-033-213-080	CLAMP, FUSE<U>					
C210	87-010-196-080	CHIP CAPACITOR, 0.1-25		▲ PR101	87-026-681-080	PROTECTOR 5A 60V 491<EZ, HR>					
C211	87-010-196-080	CHIP CAPACITOR, 0.1-25		▲ PR102	87-026-681-080	PROTECTOR 5A 60V 491<EZ, HR>					
C212	87-010-196-080	CHIP CAPACITOR, 0.1-25		▲ PT101	87-YP4-613-010	200-TSW35EU, PT E<EZ>					
C213	87-010-197-080	CAP, CHIP 0.01 DM		▲ PT101	87-YP4-605-010	200-TSW35UL, PT<U>					
C214	87-010-406-080	CAP, ELECT 22-50		▲ PT101	87-YP4-612-010	PT, LH<HR>					
C215	87-010-406-080	CAP, ELECT 22-50		▲ S102	87-A90-234-010	SW, SL 1-2-2 SW2201<HR>					
C301	87-010-401-080	CAP, ELECT 1-50V		▲ T101	82-304-743-010	TERMINAL, 1P					
C304	87-010-544-080	CAP, ELECT 0.1-50V		▲ T102	82-304-743-010	TERMINAL, 1P					
C305	87-010-383-080	CAP, ELECT 33-25V		FRONT C.B							
C306	87-010-405-080	CAP, ELECT 10-50V		D301	82-YP2-617-010	LED, 3 GRN STRAIGHT					
C307	87-010-544-080	CAP, ELECT 0.1-50V		S101	87-YP5-626-010	SW, PUSH 1-1-1 SY16-52-3					
C308	87-010-404-080	CAP, ELECT 4.7-50V		PHASE SW C.B							
C401	87-010-401-080	CAP, ELECT 1-50V		CN201	87-A60-848-010	CONN, 4P H BLK TB					
C402	87-010-385-080	CAP, ELECT 220-25V		FC201	82-YP2-615-010	F-CABLE, 4P 2.5					
C405	87-010-401-080	CAP, ELECT 1-50V		S201	87-A91-148-010	SW, SL 2-2-2 SS22J02G12A					

TRANSISTOR ILLUSTRATION



S D G



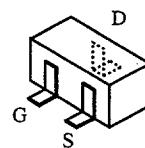
E S B



E C B



B C E



2SK2158

2SI460

KTA1266GR
KTC3198GR

DTA114ES

2SD2025

○チップ抵抗部品コード／CHIP RESISTOR PART CODE

チップ抵抗部品コードの成り立ち Chip Resistor Part Coding

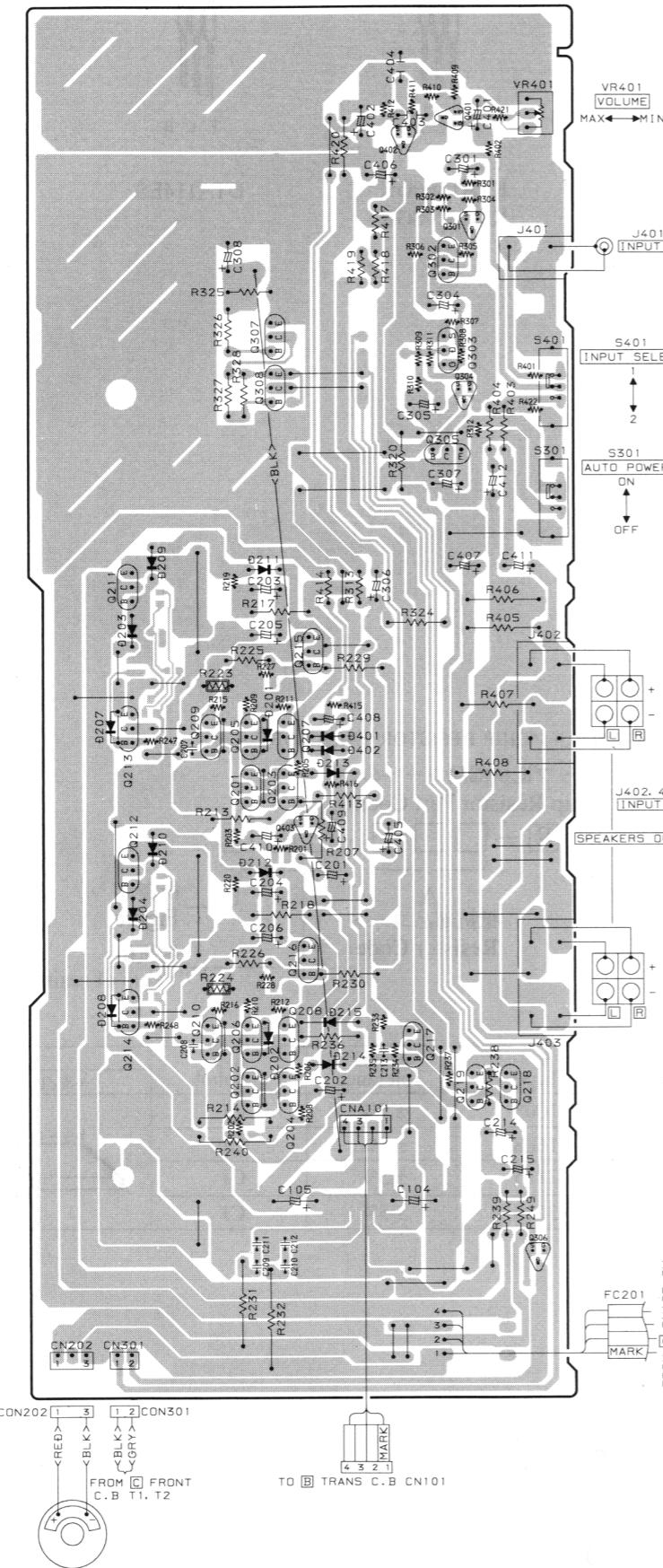
8 8 -
A
抵抗部品コード
Resistor Code

チップ抵抗 Chip resistor

容量 Wattage	種類 Type	許容誤差 Tolerance	記号 Symbol	寸法/Dimensions (mm)			抵抗コード Resistor Code : A
				外形/Form	L	W	
1/16W	1005	± 5%	CJ		1.0	0.5	0.35
1/16W	1608	± 5%	CJ		1.6	0.8	0.45
1/10W	2125	± 5%	CJ		2	1.25	0.45
1/8W	3216	± 5%	CJ		3.2	1.6	0.55

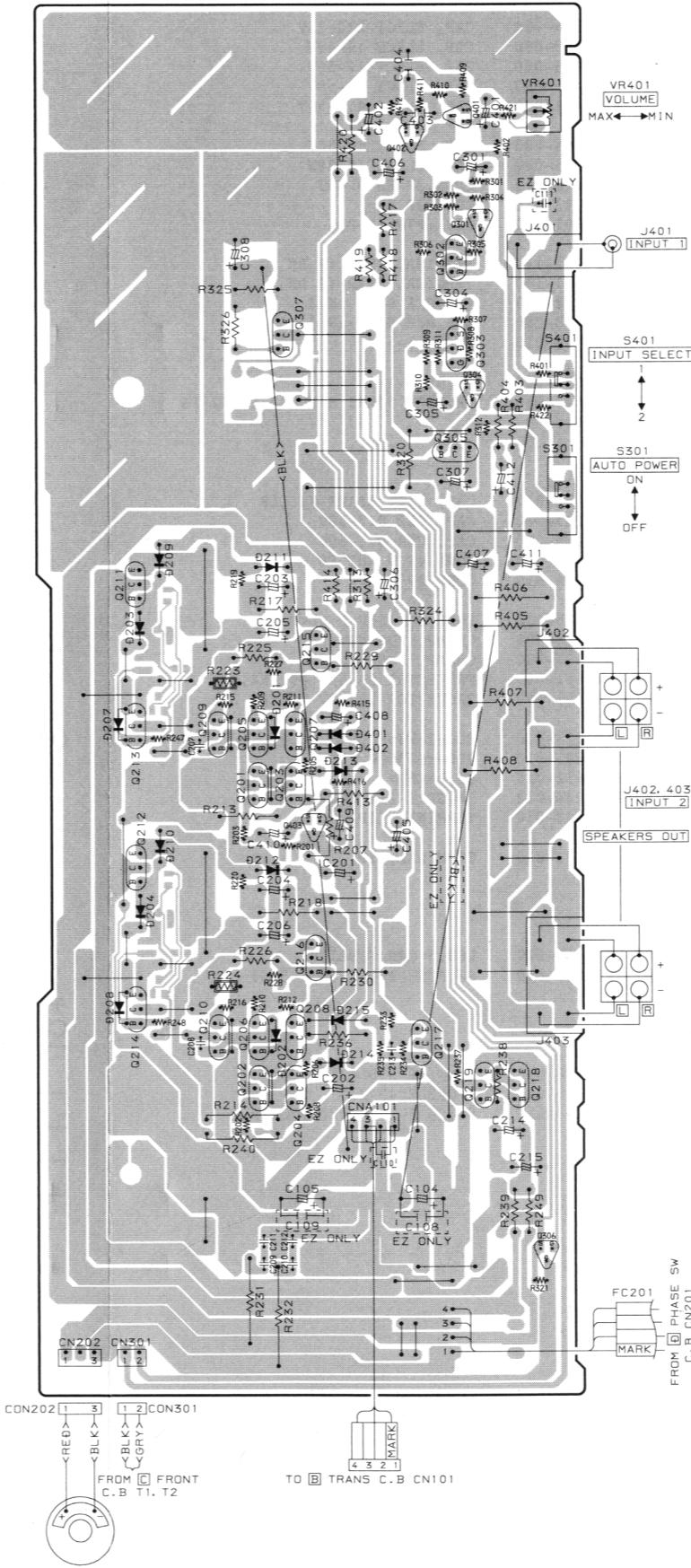
A MAIN C.B

<CU MODEL ONLY>

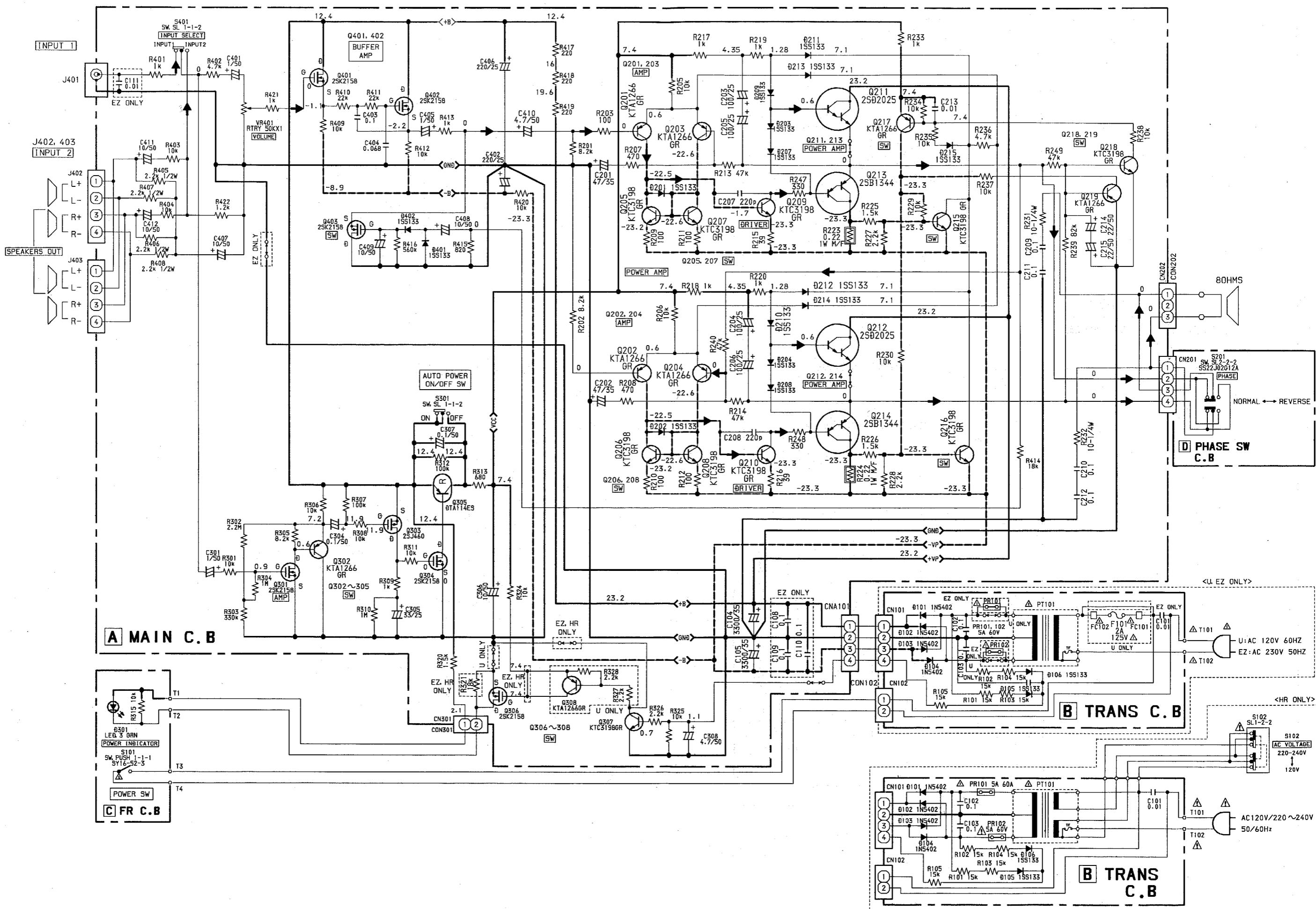


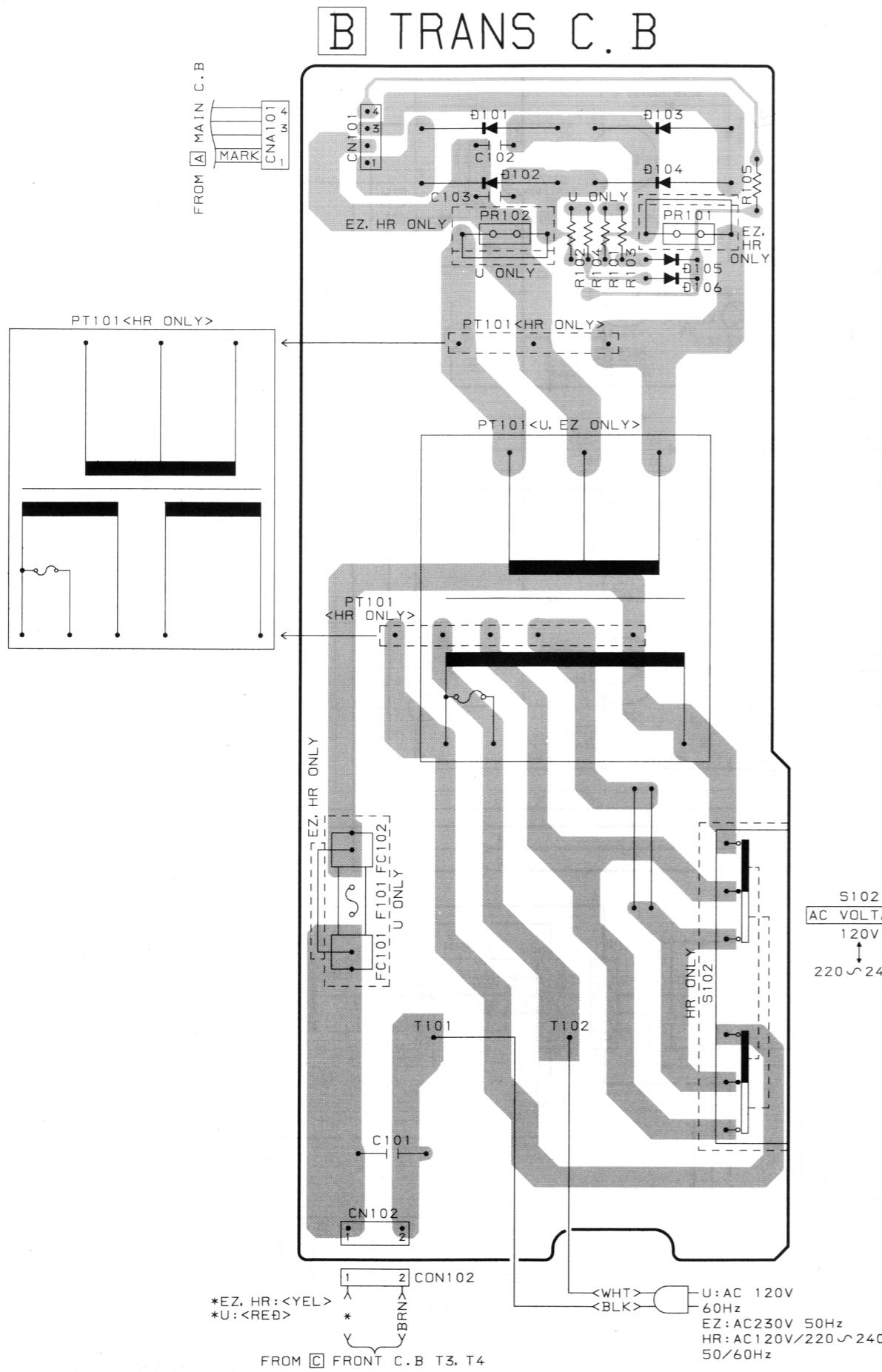
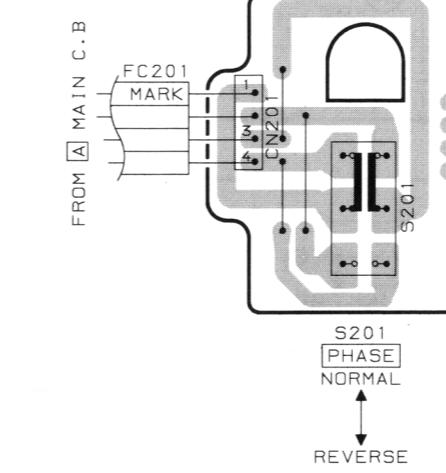
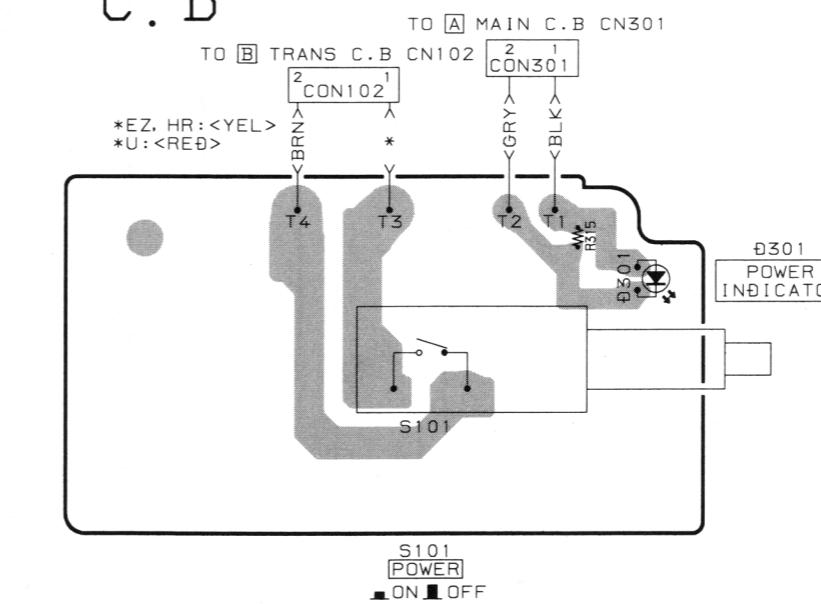
A MAIN C.B

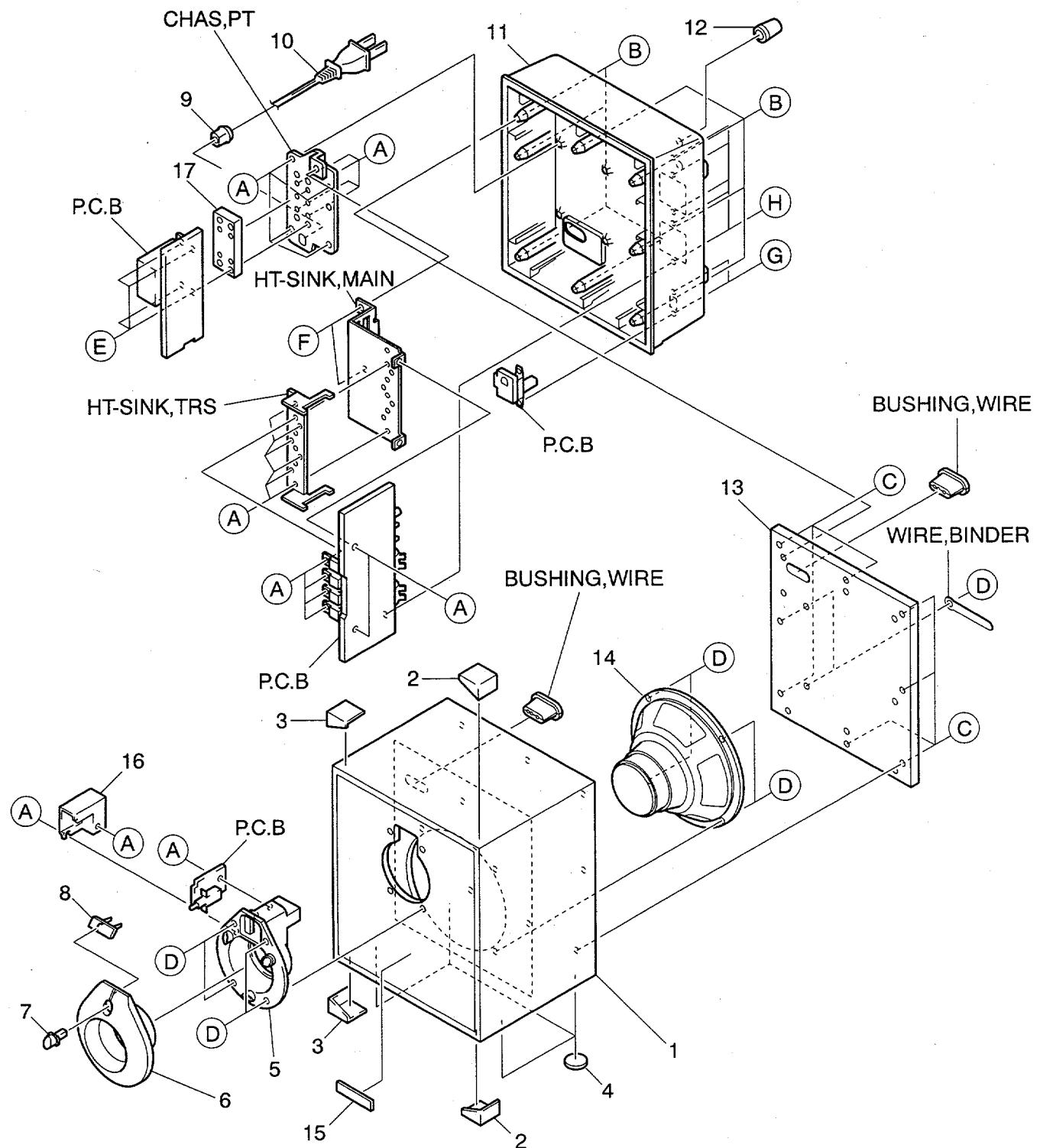
<EZ, HR MODEL ONLY>



SCHEMATIC DIAGRAM



**D PHASE SW C. B****C FRONT C. B**



MECHANICAL PARTS LIST 1 / 1

If can't understand for Description please kindly refer to "REFERENCE NAME LIST".

REF. NO.	PART NO.	KANRI NO.	DESCRIPTION	REF. NO.	PART NO.	KANRI NO.	DESCRIPTION
1	8Z-YP2-007-010		CABI, WOOD BOX<U, HR>	14	8Z-YP2-610-010		SPKR, 200 8OHM
1	8Z-YP2-014-010		CABI, WOOD BOX E1 GRAY<EZ>	15	87-054-087-010		BADGE, AIWA 40
2	87-YP4-012-010		COVER, R	16	8Z-YP2-217-010		COVER, SW UL<U>
3	87-YP4-011-010		COVER, L	16	8Z-YP2-214-010		COVER, SW<EZ, HR>
4	8Z-YP2-205-010		FOOT, BOX	17	87-YP5-225-010		HLDR, TRANS<HR>
5	8Z-YP2-201-010		CASE, SW<EZ, HR>	A	87-067-703-010		TAPPING SCREW, BVT2+3-10
5	8Z-YP2-213-010		CASE, SW UL<U>	B	8Z-YP2-211-010		SW+3.5-18
6	8Z-YP2-002-010		PANEL, DUCT<EZ, HR>	C	87-YP4-211-010		SW+3.5-22
6	8Z-YP2-015-010		PANEL, DUCT UL<U>	D	87-YP4-217-010		BVT1+3.5-12
7	8Z-YP2-004-010		BTN, POWER	E	87-067-566-010		TAPPING SCREW, VFTT+3-6<U>
8	8Z-YP2-005-010		WINDOW, LED	E	87-761-096-410		VFT2+3-10 GLD<EZ, HR>
9	86-SP2-637-010		BUSHING, AC U	F	87-067-689-010		TAPPING SCREW, BVT+3-8
△ 10	87-YP4-620-010		AC CORD ASSY, U SPT-2W<U>	G	87-741-074-410		UT2+2.6-8
△ 10	86-SP2-634-010		AC CORD, E<EZ, HR>	H	87-755-096-010		VT2+3-10
11	8Z-YP2-006-010		CABI, REAR<EZ>				
11	8Z-YP2-001-010		CABI, REAR HR<HR>				
11	8Z-YP2-009-010		CABI, REAR UL<U>				
12	8Z-YP2-003-010		KNOB, RTRY VOL				
13	8Z-YP2-207-010		PANEL, WOOD<U, HR>				
13	8Z-YP2-212-010		PANEL, WOOD E1<EZ>				

COLOR NAME TABLE

Basic color symbol	Color	Basic color symbol	Color	Basic color symbol	Color
B	Black	C	Cream	D	Orange
G	Green	H	Gray	L	Blue
LT	Transparent Blue	N	Gold	P	Pink
R	Red	S	Sliver	ST	Titan Silver
T	Brown	V	Violet	W	White
WT	Transparent White	Y	Yellow	YT	Transparent Yellow
LM	Metallic Blue	LL	Light Blue	GT	Transparent Green
LD	Dark Blue	DT	Transparent Orange		

REFERENCE NAME LIST

ELECTRICAL SECTION

DESCRIPTION	REFERENCE NAME
ANT	ANTENNAS
C-	CHIP
C-CAP	CAP, CHIP
C-CAP TN	CAP, CHIP TANTALUM
C-COIL	COIL, CHIP
C-DI	DIODE, CHIP
C-DIODE	DIODE, CHIP
C-FET	FET, CHIP
C-FOTR	FILTER, CHIP
C-JACK	JACK, CHIP
C-LED	LED, CHIP
C-RES	RES, CHIP
C-SFR	SFR, CHIP
C-SLIDE SW	SLIDE SWITCH, CHIP
C-SW	SWITCH, CHIP
C-TR	TRANSISTOR, CHIP
C-VR	VOLUME, CHIP
C-ZENER	ZENER, CHIP
CAP, CER	CAP, CERA-SOL
CAP, E	CAP, ELECT
CAP, M/F	CAP, FILM
CAP, TC	CAP, CERA-SOL
CAP, TC-U	CAP, CERA-SOL SS
CAP, TN	CAP, TANTALUM
CERA FIL	FILTER, CERAMIC
CF	FILTER, CERAMIC
DL	DELAY LINE
E/CAP	CAP, ELECT
FILT	FILTER
FLTR	FILTER
FUSE RES	RES, FUSE
MOT	MOTOR
P-DIODE	PHOTO DIODE
P-SNSR	PHOTO SENSER
P-TR	PHOTO TRANSISTOR
POLY VARI	VARIABLE CAPACITOR
PPCAP	CAP, PP
PT	POWER TRANSFORMER
PTR, RES	PTR, MELF
RC	REMOTE CONTROLLER
RES NF	RES, NON-FLAMMABLE
RESO	RESONATOR
SHLD	SHIELD
SOL	SOLENOID
SPKR	SPEAKER
SW, LVR	SWITCH, LEVER
SW, RTRY	SWITCH, ROTARY
SW, SL	SWITCH, SLIDE
TC CAP	CAP, CERA-SOL
THMS	THERMISTOR
TR	TRANSISTOR
TRIMER	CAP, TRIMMER
TUN-CAP	VARIABLE CAPACITOR
VIB, CER	RESONATOR, CERAMIC
VIB, XTAL	RESONATOR, CRYSTAL
VR	VOLUME
ZENER	DIODE, ZENER

MECHANICAL SECTION

DESCRIPTION	REFERENCE NAME
ADHESIVE	SHEET ADHESIVE
AZ	AZIMUTH
BAR-ANT	BAR-ANTENNA
BAT	BATTERY
BATT	BATTERY
BRG	BEARING
BTN	BUTTON
CAB	CABINET
CASS	CASSETTE
CHAS	CHASSIS
CLR	COLLAR
CONT	CONTROL
CRSR	CURSOR
CU	CUSHION
CUSH	CUSHION
DIR	DIRECTION
DUBB	DUBBING
FL	FRONT LOADING
FLY-WHL	FLYWHEEL
FR	FRONT
FUN	FUNCTION
G-CU	G-CUSHION
HDL	HANDOL
HIMERON	CLOTH
HINGE, BAT	HINGE, BATTERY
HLDR	HOLDER
HT-SINK	HEAT SINK
IB	INSTRUCTION BOOKLET
IDLE	IDLER
IND, L-R	INDICATOR, L-R
KEY, CONT	KEY, CONTROL
KEY, PRGM	KEY, PROGRAM
KNOB, SL	KNOB, SLIDE
LBL	LABEL
LID, BATT	LID, BATTERY
LID, CASS	LID, CASSETTE
LVR	LEVER
P-SP	P-SPRING
PANEL, CONT	PANEL, CONTROL
PANEL, FR	PANEL, FRONT
PRGM	PROGRAM
PULLY, LOAD MO	PULLY, LOAD MOTOR
RBN	RIBBON
S-	SPECIAL
SEG	SEGMENT
SH	SHEET
SHLD-SH	SHIELD-SHEET
SL	SLIDE
SP	SPRING
SP-SCREW	SPECIAL-SCREW
SPACER, BAT	SPACER, BATTERY
SPR	SPRING
SPR-P	P-SPRING
SPR-PC-PUSH	P-SPRING, C-PUSH
T-SP	T-SPRING
TERM	TERMINAL
TRIG	TRIGGER
TUN	TUNING
VOL	VOLUME
W	WASHER
WHL	WHEEL
WORM-WHL	WORM-WHEEL

サービス技術ニュース	
番号	連絡内容
G- -	
G- -	
G- -	

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